TELEPHONY'S INDEX TO VOLUME 182

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PUC adopts new rules, seeks more authority, Dec. 4.
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Southwestern Bell Tel Co.:
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Asks $16 million Dallas raise, Sept. 11.
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Dallas City Manager urges raise approval, Dec. 11.
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New England Tel & Tel Co.:
Petitions for $7.2 million, Oct. 16.
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Commission:
New direct rules on rates, July 31.
Chesapeake & Potomac Tel Co.:
Raise includes 20 cents for payphones, July 3.
Raise delayed for 6 months, Oct. 23.
United Inter-Mountain Tel Co.:
Gets 60 per cent of request, Nov. 13.
Washington:
General Tel Co. of Northwest:
Asks for $2.5 million more, Aug. 7.
Pacific Northwest Bell Tel Co.:
$44 million request suspended, July 24.
Plea for interim raise rejected, Oct. 23.
Telephone Utilities:
Reports increased revenues, Sept. 25.
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Wisconsin Tel Co.:
Gets raise for Tel-A-Visit, Oct. 23.
Gets $15.1 million in rates, Dec. 11.
PSC frowns on rate rehearing, Dec. 18.

COURTS:
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Court rules Missouri CATV is utility (See **TELEVISION**), July 3.
Western Union:
Supreme Court rules on unclaimed funds, July 24.
Court rules govt. must pay same rates as Va. customers, Aug. 7.
Rules no stay for PT&T; begin refunds now, Aug. 14.
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Gen Tel of SE injunction gets partial support, Sept. 11.
Antitrust case may lop off third of GTE (See **COMMISSIONS-Hawaii**), Oct. 9.
C & P Tel Co. of Virginia:
U. S. appeals decision forcing Pentagon to pay raises, Oct. 9.
Southwestern Bell Tel Co.:
Break nationwide phone fraud scheme, Oct. 16.
Federal judge orders GTE to get rid of seven companies, Dec. 18.
Antitrust ruling hits GTE—and hits, and hits, Dec. 25.
Fraud:
'Phone phreak' arrests mount nationwide, July 10.
'Phone phreaks' trade tips on how to cheat on telephone calls, Sept. 18.
This man stole almost $1 million from a telephone company, by Leo Anderson, Nov. 27.
Authorities zero in on credit card fraud, Dec. 4.
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Sued by directory publisher over copyright of YP, Dec. 4.
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American Tel & Tel Co.:
Sued by Macom Products on interconnection, Dec. 4.
General Tel & Electronics Corp.:
Sued by Macom Products on interconnection, Dec. 4.
Pacific Tel & Tel Co.:
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Stunned, badly wounded in rate case battle with Cal. consumers, by Albin R. Meier, July 24.
Sued for violation of order, Nov. 20.
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Fails to override interim raise denial, July 3.
Sues on discount cut, Oct. 2.
Gets "no" on refund appeal, Nov. 20.
Claims increase "not just and reasonable" in suit, Dec. 18.
Federal agencies allege rates too generous, Dec. 18.
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United Tel Co. of Florida:
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Deposit ceiling urged, July 10.
Southeastern Tel Co.:
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Court says tax up to PSC, Oct. 30.
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GTE, Hawaiian Tel Co.:
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Judge rules against GTE (Hawaiian), July 24.
Pence decision could change telephone industry markedly (See **EDITORIALS**), July 31.
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GTE asks antitrust clarification, Sept. 11
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Illinois Bell appeals for full raise, Sept. 11.
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General Tel Co. of Indiana:
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Southwestern Bell Tel Co.:
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United Telecommunications:
Company settlement with former unit head, Dec. 11.
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New York Tel Co.:
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Atty. General finds 10% of MDs in directory unlicensed; Bell seeks qualifications, Dec. 25.
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General Tel Co. of the Southeast:
Court agrees on profits appeal, July 24.
United Tel Co. of North Carolina:
Atty. Gen. sues to reduce raise, July 31.
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Gets another $5.85 million raise, Nov. 13.
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General Tel Co. of Ohio:
Sued for 'poor service,' July 10.
Ohio Bell Tel Co.:
Privacy suit dismissed, July 3.
Sued on length of hair, Oct. 2.
Oklahoma:
Southwestern Bell Tel Co.:
Charged with deceit in $2 million suit, July 3.
Sued for refusal of service, Aug. 7.
Interconnect dispute with Teleco becomes restraint-of-trade suit (See **INTERCONNECTION**), Sept. 4.
Pennsylvania:
Bell Tel Co. of Pennsylvania:
Sued for discrimination, Sept. 11.
York T & T, Princeton Tel:
Given go-ahead by court on Gen of Pa. merger, Oct. 23.
Tennessee:
South Central Bell Tel Co.:
Sues to get full increase, July 17.
Raise decision back to PSC, Nov. 20.
Texas:
Gulf States Tel Co.:
Files antitrust suit for interconnect firms against AT&T and subsidiaries (See **INTERCONNECTION**) Oct. 23.
Southwestern Bell Tel Co.:
Sued by businessman for changed number, Dec. 11.
Utah:
Atty. gen. says CATV subject to regulation (See **TELEVISION**), Aug. 7.
Wyoming:
Mountain States Tel & Tel Co.:
Sues Wyoming PSC on right to suspend rates, Oct. 9.

DATA:
AT&T takes first step in setting up data net (See **BELL SYSTEM**), Nov. 6.
Australia tries computer-controlled signaling system (See **FOREIGN**), Aug. 7.
Bunker Ramo activates market data system, Sept. 18.
California bank gears up for computerized transfer, Oct. 30.
Cincinnati Bell's COED team scores high in order handling (See **MANAGEMENT**), by J. Paul Conway, Nov. 20.
Commerce Dept. issues guide to market, Sept. 11.
Computer communications conference discusses growing pressures, new technologies, by Albin R. Meier, Nov. 20.
CTU installs computerized traffic survey system, Aug. 14.
Data services group formed by Trans-Canada Telephone System (See **CANADA**), Sept. 18.
General Tel of California automates traffic checks, Dec. 4.
General of California shifts to computer for printing directories (See **DIRECTORY**), Oct. 23.
Grads of data com conference pose for picture (pic), Aug. 21.
How putting a computer to work speeds billing, cuts telco costs (Evans, Patterson, Cal.), Dec. 11.
Improved methods for measuring data transmission circuit response (See **PLANT**), by V. K. Ravindran and E. M. Stein, Part 1, Sept. 25; Improved methods for measuring and equalizing data circuit response, Part 2, Oct. 9.
Joint data modem company formed by Sangamo, UBC, Sept. 11.
System (GE) to boost use of time sharing launched, Oct. 23.
Taking the mystery out of phase jitter measurement, by Elton Cookson and Charles Volkland, Sept.25.

DIRECTORY:
General of California shifts to computer for printing directories (See **DATA**), Oct. 23.
How one woman directory rep racked up a top sales record (Mtn. Bell), by Helen Hardin (See **SELLING**), Dec. 4.

DISSOLUTIONS:
GDI (United Telecom) urges its own dissolution, Aug. 21.
To be dissolved, Sept. 11.

DDD:
Radio broadcasting and the DDD: a successful new partnership, by Ron T. Shawhan, July 10.
Seminar set for NEC/72 (See **EDUCATION AND TRAINING**), Aug. 21.

ECONOMICS:
Phase II rulings in booklet form, July 3.
Economic experience with filled cables—a case history (See **PLANT**), by Keith F. Ellis, Oct. 30.

EDITORIALS:
Dealing with consumerism, July 24.
Pence decision could change telephone industry markedly, by Leo Anderson (See **CC**), July 31.
It's time to do something, Oct. 9.
Innovation: we've got it, Oct. 16.
Let's decide to decide, Oct. 23.
On moving and growing, Oct. 30.
The spirit of Christmas 1972, Dec. 25.

EDUCATION AND TRAINING:
'College of Underground Knowledge' bows (Davis Mfg.), Nov. 13.
'73 Coil Winding meeting to be in Chicago, Aug. 14.
DDD seminar set for NEC/72 (See **DDD**), Aug. 21.
Fla. physics (H.S.) class uses Gen Tel equipment (pic), July 3.
Hogg & Davis holds equipment conference (pic), July 3.
Milgo's ICC unit forms training institute, Oct. 30.

Workshop on university (MSU) telecommunications planned, July 31.

EMPLOYE RELATIONS:
Is this telephone man a griper . . . or a man with a message? by a telephone man, July 17.
May I make a suggestion, please? (See **MANAGEMENT**), by Russell D. Zickefoose, Aug. 7.

EMPLOYE TRAINING:
Texas training center marks seventh year Oct. 16.

FEDERAL COMMUNICATIONS COMMISSION:
Western Union objects to decision on Hawaii plan, Aug. 14.
WUI asks nod on international data service, Aug. 28.
Ten more WUI satellite voice circuits OK'd, Aug. 28.
Worldcom asks okay of lower overseas message rate, Aug. 28.
Grants 2 voice-data routes to Western Tele-Comm, Aug. 28.
A plea to the FCC: act against 'illegal' devices, by H. Marcheschi, Oct. 9
FCC asks telcos for data on 'illegal' interconnection (See **INTERCONNECTION**), Oct. 16.
MCI link gets FCC okay, Nov. 27.
To decide whether U.S. companies may enter lease agreements with Telesat Canada (See **CANADA**), Dec. 18.

FINANCING:
Guide to becoming a financial wizard, A, Part 1, by John E. Hempstead, Oct. 2; A shopper's guide to money markets, Part 2, Nov. 13.
How telcos get money from REA, the telephone bank and suppliers, by John E. Hempstead (See **REA**), Dec. 11.
MCI Communications Corp.:
Sells 3 million stock shares, July 31.

FORECASTING:
Continental Tel Co.:
Expects 15 per-cent earnings increase, July 10.
Top telcos reveal record spending plans for second half and 1973 (See **PLANT**), by Dan S. Fargo, Aug. 21.

FOREIGN:
Australia:
Australia tries computer-controlled signaling system (See **DATA**), Aug. 7.
Predict Australia will computerize all phones, Aug. 14.
Bahamas:
AT&T reduces Bahamas rates (See **BELL SYSTEM**), Aug. 7.
Caribbean cable begins U.S.-Bahamas service, Dec. 18.
China:
WUI awards contract for Chinese earth station to GTE unit, Dec. 4.
Europe:
United executives meet European investors, Oct. 2.
France:
Generale de Constructions Telephoniques (ITT) sells data system to Soviet Postal Tel & Tel Admin., Nov. 6.
Great Britain:
European phone group meets at Brighton, July 3.
Keysender developed by PIE in use at P.O. (pic), July 10.
P.O. buys mobile electronic exchanges, Aug. 7.
Wall-mounting phone designed with separate bell (pic), Sept. 25.
Greece:
Greece buys $2.2 million ITT tel equipment, Aug. 7.
Italy:
Warner of GTE accepts medal for strengthening U.S.-Italy relations, (pic), Dec. 11.
Japan:
GTE considers stock issue in Japan (See **Commissions-N.Y.**), Aug. 14.
Hitachi Metals in White Plains (N.Y.) plant (pic), Sept. 11.
Nikko Securities (Tokyo) offers common in exchange for 750,000 shares GTE common (pic), Oct. 23.
Peru:
Takes over Swiss company, Aug. 28.
Puerto Rico:
Engineer demonstrates MDF announcement system (pic), July 24.
Placing call from San Juan International airport, PR Economic Administrator Castano is flanked by PR Tel president Knapp (pic), Oct. 2.
P.R. Tel adds mobile office (pic), Oct. 30.
Russia:
AT&T cuts rates on calls (See **BELL SYSTEM**), Aug. 7.
Sweden:
MCI buys Swedish equipment Oct. 30.
Switzerland:
ITU plans Telecom-74 at Geneva, Dec. 18.
Trinidad:
Trinidad & Tobago Tel Co.:
Continental Tel sells its interest, Dec. 11.
West Germany:
Communications Technology adds marketing office at Frankfurt, Aug. 21.
Novel measuring technique (German P.O.) helps troubleshoot international signaling circuits (See **PLANT**), Sept. 25.

GAMBLING:
Phone bets legal in Nevada, Aug. 14.

HALL OF FAME:
Mrs. E. C. Blomeyer discovers phone collection in builder's office (pic), July 24.
Clyde S. Bailey, Ralph F. Lucier added, Nov. 6.

INTERCONNECTION:
UBC will survey interconnection tariffs, Aug. 21.
Rochester Tel interconnection tariff gets nod (See **COURTS-COMMISSIONS**), Sept. 4.
SW Bell, Teleco dispute becomes restraint-of-trade suit (See **COURTS**), Sept. 4.
Interconnect group eyes new markets (See **ASSOCIATIONS-OTHER**), Sept. 11.
Teledyne Engineering Contractors new name for interconnect firm, Oct. 2.
FCC asks telcos for data on 'illegal' interconnection (See **FCC**), Oct. 16.
Gulf States Tel (Tex.) files antitrust suit against AT&T subsidiaries, in behalf of interconnect firms (See **COURTS**-Tex.), Oct. 23.
What to do about unauthorized interconnection, by Paul K. Hart, Nov. 27.
N.Y. PSC recommends interconnection for radio corp. with New York Tel. (See **COURTS AND COMMISSIONS**), Dec. 18.
Two Alabama telcos get interconnection tariff approval (See **COURTS AND COMMISSIONS**), Dec. 25.

LABOR:
CWA moves to merge with postal union, July 3.
C. B. Scott labor relations PNW Bell (See **BELL SYSTEM**), July 10.
'Ma Bell' slogan prohibited in suit against SW Bell (See **COURTS**), Aug. 7.
Hawaiian Tel, IBEW sign pact, Aug. 7.
IBEW, New England Tel clash on overtime; NET files suit (See **COURTS**), Aug. 21.
Fed. court issues 4-state restraint against Gen Tel of SE strike (See **COURTS**), Aug. 28.
NLRB okays earth station unit to join IBEW separately, Oct. 9.
NLRB tells SW Bell to reinstate parking payments (See **COURTS AND COMMISSIONS**), Oct. 9.
2-yr. GT of Ill. pacts approved by IBEW, Dec. 11.

LEGISLATION:
Federal:
Congress gets ban-solicitation bill, July 17.
Senate bill reimburses D.C. telcos for relocation costs, Oct. 30.
Illinois:
Bill legalizes cut rates for state utility employes, Aug. 21.
New Jersey:
Bill extends CATV franchise moratorium (See **TELEVISION**), July 10.
New York:
Utilities to pay all PSC costs, Sept. 25.

MANAGEMENT:
Arkansas telephony speaks out, by Albin R. Meier, Oct. 16.
Bell Laboratories—a national resource (See **BELL SYSTEM**), by A. R. Meier, Dec. 18.
Businessmen must take activist role: deButts, Dec. 4.
Cincinnati Bell's COED team scores high in order handling (See **DATA**), by J. Paul Conway, Nov. 20.
GTE's two top guys tell what makes the System tick, Nov. 6.
How an urban telco guards its people and equipment, by F. L. Howe, Nov. 27.
May I make a suggestion, please? (See **EMPLOYE RELATIONS**), by Russell D. Zickefoose, Aug. 7.
Putting out the fire is just part of the job, by Ed Ries, Nov. 27.
Rapid information flow helps telco tackle heavy work load (N.Y. Tel), Aug. 7.
SIA (Securities Industry Assn.) management conference in September (See **ASSOCIATIONS—OTHER**), July 31.
Techniques of Effective Management, by Ted Pollock:
How do you rate yourself in self-confidence? Oct. 9.
How to strengthen your weak spots, Dec. 4.
Concentration: secret of success, Dec. 11.
Wilson (Collins Radio) advises: identify and help high performers (See **ASSOCIATIONS-OTHER**), Oct. 2.
Woman telco exec likes it on top (General of California), Oct. 9.

MARKETING:
ADL (Arthur D. Little) begins study of microwave (See **MICROWAVE**), Sept. 25.
Need for usage-sensitive pricing, The (See **PLANT**), by F. H. Stansfield, Nov. 20.
NW Bell tests sale of decorator housings (See **BELL SYSTEM, MARKETING**), Oct. 9.
Usage-sensitive pricing isn't so new! by Albin R. Meier, Nov. 20.
The utility equipment arena at Elburn, Ill., and how it became a major market showplace (See **PLANT**), Aug. 28.

MICROWAVE:
Arthur D. Little begins study of microwave (See **MARKETING**), Sept. 25.
MCI gets nod for Milwaukee-Minneapolis-St. Paul link, Nov. 20.
Microwave Relay Services:
To be sold to United Video (Okla.) (See **SALES AND PURCHASES**), Oct. 2.
Microwave system testing—past, present and future, by E. J. Henley, Sept. 25.
Radiation detector demonstrated by Bell Labs (pic), (**BELL SYSTEM**), July 10.
Route planned by Nebraska Consolidated Sept. 11.
Telco-supplier team responds to call for sudden service (Southern Bell) (See **TELEPHONE SERVICE**), Oct. 9.

OFFICE OF TELECOMMUNICATIONS POLICY:
Scalia resigns; Henry Goldberg named counsel, Sept. 4.
Hinchman resigns to join FCC, Dec. 4.

PIONEERS-INDEPENDENT:
USITA display traces Independents' history (See **USITA**), Sept. 11.
Pioneers join USITA's 75th birthday fete (See **USITA**), by Ray Blain, Sept. 11.
ITPA banquet Highlights, Oct. 30.
Pioneers review their 52nd year, by Ray Blain, Nov. 6.
Charter celebration for Dogwood Pioneer Club (Tex.) (pic), Dec. 11.
Concho Club (Tex.) takes trip through Old Mexico (pic), Dec. 18.

PLANT:
Automatic cable payout saves manpower (Dysart, N.C.), Nov. 13.
Automatic trunk testing upgrades service while saving money, by E. H. B. Bartelink, Joseph N. Petrie and Charles E. Sener Jr., Part 1, Sept. 25, Part 2, Improving grade of service with automated testing pays off, Oct. 9; Part 3, Economic analysis of automatic trunk testing, Dec. 4; Part 4, How to plan an automatic trunk testing facility, Dec. 11.
Bell Laboratories—a technical cornucopia, by Albin R. Meier (See **BELL SYSTEM**), Dec. 18.
Bell (Labs) invents new medicine for drowned PIC cable (See **BELL SYSTEM**), Nov. 13.
Builder-telco team cuts costs (Illinois Bell) by Ralph W. Ehlers, Oct. 16.
Building industry consulting center to open (Square D), Aug. 7.
Buried plant comes of age, by Ray Blain, Aug. 7.
Carolina T&T hustles to install its PABX, Aug. 7.
Characteristics of filled cable, The, by Fred Zinser, Oct. 30.
CCITT conducts intl. tests on pushbutton error, Sept. 11.
Cleveland utilities plan to protect facilities, July 24.
Communications marketplace (See **USITA**), Oct. 9.
Design for a composite filled splice (3M), Sept. 11.
Double trouble cable job (SNET) gets done with improvised gear, by Ray Blain, Aug. 7.
Eastern telcos set (flood) damage, July 10.
Economic experience with filled cables—a case history, by Keith F. Ellis (See **ECONOMICS**), Oct. 30.
Elburn equipment preview, Aug. 28.
Elburn utility equipment show not quite a washout, by Albin R. Meier, Oct. 2.
Filled cable considerations, by Dolan P. Hume, Oct. 30.
Engineering time periods for switching equipment, by Guy Giordano, Nov. 13.
Floods drown DC power (Commonwealth Tel), Sept. 4.
Gas tube protectors: how good are they? by E. J. Cohen and J. B. Eppes Jr., Part

1, Sept. 4; Part 2, The pros and cons of gas tube protectors, Sept. 11.
General of California's two-van (calibration) caravan, Sept. 25.
General of California stretches use of one rig for buried cable jobs, Oct. 2.
General of Florida hits the road with a mobile calibration lab, by Ray Blain, Sept. 25.
Gen Tel of Indiana technicians check EAX equipment (pic), Oct. 2.
Helpful Literature:
July 3; July 10; July 17; July 24; July 31; Aug. 7; Aug. 14; Sept. 4; Sept. 11; Sept. 18; Oct. 2; Oct. 9; Oct. 16; Oct. 23; Oct. 30; Nov. 6; Nov. 13; Nov. 27; Dec. 4; Dec. 11; Dec. 18; Dec. 25.
High pair count cable saves big money for Anchorage Tel, R. L. McBride, Sept. 18.
(Rubber) gloves hung up for testing (pic), Sept. 11.
High capacity power system goes in at Jacksonville (Fla.), by R. Blain, July 17.
How (Pa.) Bell dried out its soggy switches, Sept. 4.
How mechanization improves telephone construction, by Leo Anderson, Aug. 7.
How to design efficient grounding installations by William H. Wilson, Sept. 4.
How to make "TIME" on PBX installations (Gen. Tel. Cal.), Aug. 7.
ICC lives up to expectations—outstanding program, exhibits (See **ASSOCIATIONS-OTHER**), by Albin R. Meier, July 17.
Illinois Bell's answer to a moving hang-up, Oct. 9.
Installer 'invents' phone for disabled subscriber (See **TELEPHONE SERVICE**), by William F. Sayers, Oct. 23.
Improved methods for measuring data transmission circuit response (See **DATA**), by V. K. Ravindran, E. M. Stein, Part 1, Sept. 25; Improved methods for measuring and equalizing data circuit response, Part 2, Oct. 9.
(The) lead-acid battery: A new shape for an old workhorse, by D. O. Feder and R. V. Biagetti, Sept. 18.
Local message metering, by T. B. Collins, Nov. 20.
Making the most of T-carrier, by Dixon Penick, Part 1, Aug. 14; Maintenance testing of T-carrier, Part 2, Aug. 21.
Manhole cover fortifies outside telephone plant, by Ray Blain, Nov. 27.
Need for usage-sensitive pricing, The (See **MARKETING**), by Frank H. Stansfield, Nov. 20.
New Products:
July 3; July 10; July 17; July 24; July 31; Aug. 7; Aug. 14; Aug. 21; Sept. 4; Sept. 11; Sept. 18; Oct. 2; Oct. 9; Oct. 16; Oct. 23; Oct. 30; Nov. 6; Nov. 13; Nov. 20; Nov. 27; Dec. 4; Dec. 11; Dec. 18; Dec. 25.
Novel measuring technique (German P.O.) helps troubleshoot international signaling circuits, Sept. 25.
Offset plowing solves a tough terrain problem for Wilkes Telephone (N.C.), Aug. 7.
Philco-Ford returns to market with solid-state PABX setup, Sept. 11.
Plant Man's Notebook, The, by Ray Blain:
Each issue, July through December.
Practical guide to plant and building security, A, by Harry G. Maynor, Nov. 27.
Remarkable semiconductor revolution, by Albin R. Meier, Dec. 18.
Remote status monitoring saves manpower in Montana (Mountain Bell), by Wes Fahrion, Aug. 14.
Scientist (AEC-Argonne) builds communications link from atom particles, Aug. 14.
Silent alarm (Fla. State Tel) trips up unsuspecting suspects, by Gerald Williams, Oct. 23.
Smithville's (Ind.) 'instant CO', Dec. 4.
Solid planning smooths construction path, by Jack McCormick and David J. Albright, Oct. 30.
SPC and TDS dominate international switching meeting, by Marvin Hobbs, July 17.
Teletraffic Engineering, by Ramses R. Mina:
Traffic engineering: graded multiples in theory and practice, Chap. 9a, July 3; Chap. 9. More on the theory and practice of guided multiples, July 10.
Test eliminates use of phone numbers on home instruments, Nov. 6.
Testing in the (Bell) loop plant: new equipment and procedures, by Leo Schenker, Aug. 7.
Top telcos reveal record spending plans for second half and 1973 (See **FORECASTING**), by Dan S. Fargo, Aug. 21.
Transmission properties of filled thermoplastic telephone cables, by Irving Kolodny, Oct. 30.
Tricky terrain is no trouble if you've got the right equipment (Continental Tel-Ia.), Aug. 7.
21-year-old battery installation is going strong (Lorain Telco), Sept. 18.
USITA technical seminars take firm hold at Las Vegas meeting (See **USITA**), by Albin R. Meier, Oct. 30.
Utility equipment arena at Elburn, Ill., The and how it became a major market showplace (See **MARKETING**), Aug. 28.
USITA exhibitors: a product line list (See **USITA**), Oct. 9.
Western Electric uses 'preanalyzer' to test sets (See **BELL SYSTEM**), Nov. 6.
What's new in measurement? Sept. 25.
What's your interest in new utility equipment? (Elburn Utility Equipment Show), Aug. 7.
Wilson (Collins Radio) cites role of engineers in business success, Nov. 6.

PUBLIC RELATIONS:
Fringe problems challenge industry's versatility (See **ASSNS., SAFETY**), July 31.
Gen Tel of SE Public Info award for covering Sandy Island service (pic), Dec. 4.
Get the message across now! by Leslie H. Warner, Oct. 30.
Historical museum displays phone memorabilia (Chautauqua & Erie Tel, N.Y.) (pic), Dec. 4.
Spirit of Christmas The, is a year-round commitment (Ohio Bell), Dec. 25.
Telco workers are Santa's helpers, by Lois Stolzman, Dec. 25.
Why can't telcos get public relations to work? by Harold Knoll, Part 1, Oct. 9; Avoiding the image trap, Part 2, Oct. 16; Hire a solution, not another problem, for your public relations troubles, Part 3, Oct. 23; Tune up your house organ, Part 4, Oct. 30; Getting your story into print, Part 5, Nov. 6.
Young tycoons get the business from telco insulators (United Tel of Indiana) by Andy Arnold and Grace Inman, Dec. 25.

RADIOTELEPHONE-MOBILE:
Radio nets revenue for Washington telco, Sept. 11.
Rochester Tel tries mobile public office, Oct. 23.

RATES:
Bell's 3-element rate structure for service connection, move and change charges (See **BELL SYSTEM**), Aug 7.
Alabama:
Governor names committee to study raises, July 10.

REGULATION:
Missouri PSC chairman says regulators should respond to change, Aug. 28.
National Assn. Reg. Utility Commissioners (NARUC):
Told unified approach best on computers, July 10.
Enters EAS suit by NET&T against Maine PUC (See **COURTS**), Sept. 18.
Panel recommends strict diversification limits, Nov. 6.
Challenges FCC's environmental concern, Nov. 20.
Requests FCC dismiss Manhattan CATV complaint on transmission of movies, Nov. 27.
Can privately owned public utilities survive? (NARUC convention) (See **ASSOCIATIONS-OTHER**), by Edgar Peske, Dec. 25.

RURAL ELECTRIFICATION ADMINISTRATION:
How borrowers will participate in first tel bank voting, Aug. 21.
Programs set record in 1972, Aug. 28.
R. W. Lynn named dep. asst. admin.-tel for engineering, operations (succeeds Wolff); D. V. Bellinger chief mgt. & eng. branch; D. E. Basler chief loans branch; Wm. Ricketts chief oper., Aug. 28.
Telephone bank: a milestone in rural telephony, by David A. Hamil, Oct. 30.
Appointments of REA: J. Knapp Jr. N.E. acct.; J. E. Mallory North Central acct.; W. B. Loving, S.E. acct.; A. R. Sellers, SW acct.; J. T. Toye, W. acct.; R. Lozier, Power acct.; M. G. Totland, staff acct., tech. acctg., Nov. 27.
Rural Bank board invites borrower comments, Dec. 4.
How telcos get money from REA, the telephone bank and suppliers, by John E. Hempstead (See **FINANCING**), Dec. 11.

Loans:
Breda (Ia.) Tel Corp.; Brookings Lake Tel Co., Brookings, S.D.; Oakman (Ala.) Tel Co.; Western States Tel Co., Phoenix, Ariz.; Triangle Tel Coop. Assn., Havre, Mont.; North Central Tel Co., Badger, Ia.; Scott-Rice Tel Co., Prior Lake, Minn.; Elmore City (Okla.) Tel Co.; Murdocksville (Pa.) Independent Tel Co.; Southern Tel Co., Charlottesville, Va.; Brighton & Wheatland Tel Co., Burlington, Wis.; Marquette-Adams Tel Co. Coop., Oxford, Wis.; North-West Tel Co., Tomah, Wis.; Shiawassee Tel Co., Perry, Mich.; Pottawatomie Tel Co., Earlsboro, Okla.; Hayneville (Ala.) Tel Co.; Nemont Tel Coop., Scobey, Mont.; Citizens Tel Co., Brevard, N.C., July 24.
Canby (Ore.) Tel Assn.; Mid-Plains Rural Tel Coop., Tulia, Tex.; Yelm (Wash.) Tel Co.; Whidbey Tel Co., Langley, Wash., Aug. 7.
Brindlee Mountain Tel Co., Araba, Ala.; Standard Tel Co., Cornelia, Ga.; Shenandoah Tel Co., Edinburg, Va.; Coosa Valley Tel Co., Pell City, Ala.; Assaria (Kan.) Tel Exchange; Somerset Tel Co., North Anson, Me.; Bethel & Mt. Etna Tel & Tel Co., Erie, Pa.; Pond Branch Tel Co., Gilbert, S.C.; Ben Lomand Rural Tel Coop., McMinnville, Tenn.; South Georgia Tel Co., Sylvania; Decatur (Miss.) Tel Co.; South Plains Tel Coop., Lubbock, Tex.; Southwest Arkansas Tel Coop., Texarkana; Community Tel Co., Windthorst, Tex.; Farmers Tel Coop., Kingstree, S.C., Sept. 25.
Leeds (Ala.) Tel Co.; Elijah (Ga.) Tel Co.; Hargray Tel Co., Hilton Head Island, S.C.; Fort Mill (S.C.) Tel Co.; Concord (Tenn.) Tel Exchange, Nov. 6.
Alma (Ga.) Tel Co.; Stratford (Ia.) Mutual Tel Co.; Saco River Tel & Tel Co., Bar Mills, Me.; Northeast Florida Tel Co., MacClenny; Chazy & Westport (N.Y.) Tel Corp.; United Tel Mutual Aid Corp., Langdon, N.D., Nov. 13.
Ironton Tel Co., Ballietsville, Pa.; Palmetto Rural Tel Coop., Walterboro, S.C.; Five Area Tel Coop., Muleshoe, Tex.; Mashell Tel Co., Eatonsville, Wash.; Thacker-Grigsby Tel Co., Hindman, Ky.; Concord (Mich.) Tel Co.; Blair (Neb.) Tel Co.; Chrisp's Tel Co., Paxton, Neb.; Benton Coop Tel Co., Rice, Minn.; Surry Tel Membership Corp; Dobson, N.C.; Bascom (Ohio) Mutual Tel Co.; Lakeshore Tel Co., Cecil, Wis.; Shell Lake (Wis.) Tel Co., Nov. 27.
Consolidated Tel Co., Brainerd, Minn.; Mid-America Telephone, Fittstown, Okla.; Tri-County Mutual Tel Co., Emergy, S.D.; Plains Cooperative Tel Assn., Joes, Colo.; Dee River (Minn.) Tel Exchange; Garden Valley Tel Co., Erskine, Minn.; Bayland Telephone, Abrams, Wis.; Clear Lake (Wis.) Tel Co.; Wyoming Tel Co., Pinedale, Dec. 4.

SAFETY
Fringe problems challenge industry's versatility (See **ASSNS., PR**), July 31.
Illinois Bell's first Safe Driving Skills contest (See **BELL SYSTEM**-pic), Oct. 23.
N.J. Bell abandons 'poke-through' wires in fire safety move (See **BELL SYSTEM**), July 31.
Report progress on setting up vertical job safety standards (See **BLOCK**, "In the Nation's Capital), July 3.

SALES, PURCHASES AND CONSOLIDATIONS:
Caporella & Sons Inc.:
Acquired by Burnup & Sims, Oct. 30.
Comsi Inc. (computer):
Acquired by Western Union, Oct. 30.
Ford-Wehmeyer:
Acquired for stock by Burnup & Sims, Aug. 28.
ITT Hamilton Life Insurance Co., ITT Life Insurance Co. (both New York):
Sold to Pennsylvania Life Insurance Co., Sept. 18.
JDC Communications (N.Y.):
Acquired by Clavier Corp., Aug. 14.
Ken/Tel Equipment (Alpha-Omega Dallas):
Acquired by A. D. McDonald (N.Y.), Aug. 7.
Meyer Industries (Poles) (Minn.):
Acquired by ITT (N.Y.), Aug. 7.
Microwave Relay Services:
To sell to United Video (Okla.) (See **MICROWAVE**), Oct. 2.
Mid-Continent Tel Corp.:
Sets merger with Continental, Oct. 30.
Midwec Corp. (Wis.):
Sells to Electra Corp., Sept. 25.
Phoenix-Hecht Inc. (Chicago):
Purchase offer from Benden, Aug. 28.
Pulse Communications:
Agrees to sell to TRW Inc., Sept. 18.
Pulsecom, TRW terminate plan; Harvey Hubbell to acquire, Oct. 23.
Rixon Electronics:
Now subsidiary of Sangamo Electric, Oct. 23.
Russell Aluminum Corp.:
To sell to Anaconda Aluminum, Sept. 11.
Sessa Services Inc.:
To sell to Burnup & Sims, Sept. 25.
Telecommunications Equipment Corp.:
Acquired by Britco Inc. (Tex.-data), Nov. 6.
Voycall (Cal.):
To be acquired by Arcata, Oct. 23.
Indiana:
Prairie Tel Co., Central Indiana Tel Co.:

Acquired by Century Tel Enter. (La.), Sept. 11.
Iowa:
Scenic Ridge Tel Co.:
Acquired by Ace Telephone, Oct. 30.
Michigan:
Clayton Tel Co.:
Purchased by Telephone & Data Systems, Nov. 6.
Minnesota:
Midway Tel Co., Spencer Tel Assn.:
Sale to Pioneer-United Tel OK'd, Aug. 7.
Pine Grove Tel Co.:
Merger with Pioneer-United approved, Nov. 13.
Missouri:
Merger of Missouri Tel, Missouri Central Tel, Continental Tel, Nov. 27.
New York:
Sylvan Lake Tel Co.:
Sells to Rochester Tel, Nov. 13.
Ohio
Newark (O.) Tel Co.:
Gets bids from Mid-Continent, Sept. 11.
Oklahoma:
Oklahoma Tel & Tel:
Acquired by Jack Holt, Dec. 11.
Pennsylvania:
Emmaus Tel Co.:
Acquired by Continental Tel, Aug. 7.
People's United Tel Co., Columbia-United Tel Co., United Tel Co. of Pennsylvania:
Merger approved, July 24.
Texas:
Decatur Tel Co.:
To be acquired by Mid-Texas Communications, Aug. 28.
Wisconsin:
Greenwood Tel Co.:
Acquired by Telephone & Data Systems, Aug. 7.
Wisconsin:
LaCrosse Tel Co. (Central Tel):
Bought by Century Tel Enter., July 10.

SELLING:
How one woman directory rep racked up a top sales record (Mtn. Bell), by Helen Hardin (See **DIRECTORY**), Dec. 4.

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